

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1-12. (Cancelled)

13. (Currently amended): An electron-emitting device comprising:

first and second electrodes arranged on a surface of a substrate; ~~and~~

first and second carbon films; and

a voltage applier, for applying a voltage between said first electrode and said second electrode, to emit electrons,

wherein a first end of said first carbon film is electrically connected to said first electrode, a first end of said second carbon film is electrically connected to said second electrode, a second end of said first carbon film and a second end of said second carbon film are disposed in opposition to each other across a gap, the second end of said first carbon film is being more distant from ~~said the~~ surface of ~~said the~~ substrate than the second end of said second carbon film, and ~~an electron emission is achieved at a state where~~ said voltage applier applies a potential greater than a potential of the second electrode to at said first electrode is higher than a potential at said second electrode in order to emit electrons.

14. (Currently amended): An electron-emitting device comprising:

first and second electrodes arranged on a surface of a substrate; ~~and~~

first and second carbon films; and

a voltage applier, for applying a voltage between said first electrode and said second electrode to emit electrons, wherein

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said first carbon film is electrically connected to said first electrode, said second carbon film is electrically connected to said second electrode, said first carbon film and said second carbon film are disposed in opposition to each other across a gap, an end of said first carbon film is being more distant from said surface of said substrate than an end of said second carbon film, and ~~an electron emission is achieved at a state where~~ said voltage applier applies a potential greater than a potential of the second electrode to at said first electrode ~~is higher than a potential at said second electrode~~ in order to emit electrons.

15. (Currently amended): An electron-emitting device according to Claim 14.

13, wherein ~~said the~~ surface of ~~said the~~ substrate is concaved at a section within ~~said the~~ gap.

16. (New): An electron-emitting device according to Claim 14, wherein the surface of the substrate is concaved at a section within the gap.

17. (New): An electron-emitting device according to Claim 15, wherein the section at which the surface of the substrate is concaved contains carbon.

18. (New): An electron-emitting device according to Claim 16, wherein the section at which the surface of the substrate is concaved contains carbon.

19. (New): An electron-emitting device according to any one of Claims 13, 14, 17 or 18, wherein said first and second carbon films are connected at a part thereof.

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20. (New): An electron-source comprising a plurality of electron-emitting devices, wherein each of the electron-emitting devices is an electron-emitting device according to any one of Claims 13, 14, 17, or 18.

21. (New): An image forming apparatus comprising an electron source and an image forming member, wherein the electron source is an electron source according to Claim 20.

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